A HIGHLY COMPONENTIZED SYSTEM ARCHITECTURE WITH A DEMAND-LOADING NAMESPACE AND PROGRAMMING MODEL

ABSTRACT OF THE DISCLOSURE

The invention is embodied in software executable on a computer having a working memory with demand-loadable components initially stored outside of the working memory, each component having an entry point including a constructor for an object. Preferably, the demand-loadable components are initially provided in a memory within the computer or a location external of the computer. A Namespace in the working memory provides access in the working memory to the components as they become needed by applications running in the computer. The Namespace provides the access by managing demand-loading and unloading of the components in the working memory.